

Feeding Technology Pig Housing Conveying Systems



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Feeding Technology

Pig Housing

Conveying Systems

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HS-60

Feed Transport System

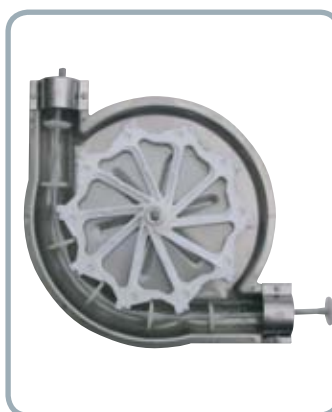
For gentle transport of feed, developed for automatic feed conveyance from the silo storage to the feeding trough, for pigs, poultry, dairy cows and horses.

Versatile, with significant advantages.

- › No overload, no overfill on account of uniform, self-regulating transport with a spiral conveyor directly into the feeding hopper, in combination with the driving wheel of the conveying cable.
- › Return transport of undistributed feed into the feed hopper; for this reason no power-off problems during the use of volumetric dispensers or filling-down pipes.
- › Suitable for out-door or in-door installation, below a silo, a feed slide or at the end of a worm or spiral conveyor.
- › No tensioning device in the conveying circuit as the machine has been fitted with an automatic retensioning system.
- › Safety and overload shut-down switches help to avoid damage caused by solid impurities in the feed.
- › Galvanised steel conveying rope with spray-applied wear-resistant plastic driver discs.
- › Stainless steel conveying rope with spray-applied wear-resistant plastic driver discs for CCM.



Plant mounted below silo.



Returning corner.



Housing made of V2A.



Rope connector.

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HS-38

Feed Transport System

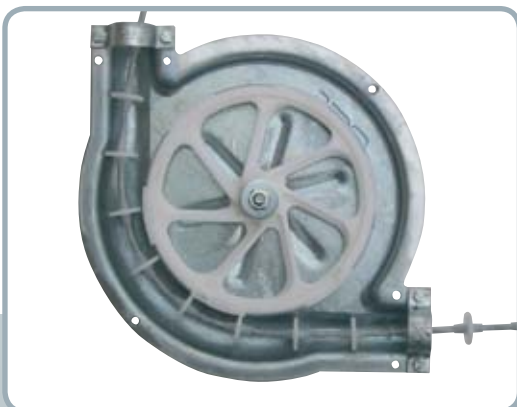
- › Rope connector with joint piece.
- › Space-saving assembly.
- › V2A or galvanised pipe.



Feed return.



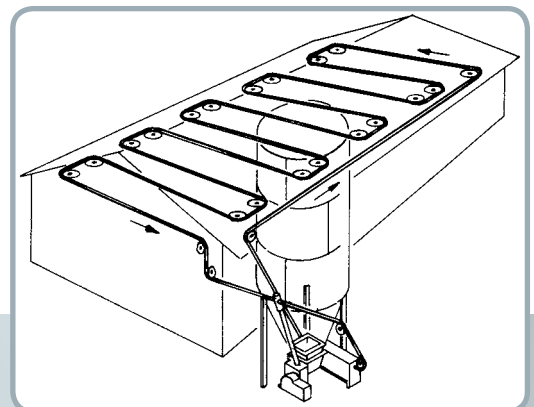
Two HS systems with one silo.



Returning corner.



Rope connector with joint piece.



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Optimat MeWa-piglet...

- › For piglets and weaners during rearing and preparatory feeding from about 6 kg to 35 kg
- › Optional for side wall or flexible set-up in the pig house
- › Content of 58 litres
- › Made completely from VA 1.4301
- › For powder and pellets
- › With four feeding spots
- › Separate feeding table and lateral drinkers



MeWa Vormast

Breadth: 55 cm
Depth: 31 cm
Height: 130 cm



MeWa piglet

... and fattened pig

- › For fattened pig from about 20 kg to 110 kg
- › Content of 58 litres
- › Made completely from VA 1.4301
- › For powder and pellets
- › With four feeding spots
- › Separate feeding table and lateral drinkers
- › Optional for side wall or flexible set-up in the pig house

MeWa Mast

Breadth: 75 cm
Depth: 41 cm
Height: 147 cm



MeWa-fattened pig



top piece for Optimat MeWa, 30 ltrs. additional content

Optimat RF piglet

- › For piglet from about 6 kg to 35 kg
- › For powder, pellets and CCM
- › With six feeding spots
- › Made completely from VA 1.4301
- › Optional for side wall or flexible set-up in the pig house
- › Content of 53 litres
- › 71 litres with big box

Optimat RF

Breadth: 48 cm
Depth: 48 cm
Height: 126 cm



Two Optimat RF systems in front of a partition wall.



One Optimat RF system in front of a partition wall.

Freshpapoptimat

- › For piglets from about 2 kg to 30 kg
- › For powder
- › With six feeding spots
- › Made completely from VA 1.4301
- › Content of 54 litres
- › with Electromotor and two sensor



Freshpapoptimat



Freshpapoptimat

Freshpapoptimat

Breadth: 48 cm
Depth: 48 cm
Height: 162 cm

Optimat RM-05

Optimat RM-05 for fattened pig

- › developing and fattened pig
 - › CCM, powder and pellets
 - › With six feeding spots
 - › Made completely from VA 1.4301
 - › Optional for side
- › wall or flexible set-up in the pig house
 - › Content of 91 litres
 - › 119 litres with big box

Optimat RM-05

Breadth: 71 cm
Depth: 71 cm
Height: 145 cm



Optimat RM-05 with big box



Optimat RM-05 with protective plate and valve



feeding place with divider



escape with straight line

Optimat E-1 / E-2 for CCM

- › developing and fattened pig
- › gilt from 20 kg to 110 kg
- › For powder, pellets and CCM
- › **Optimat E-1**
With one feeding spot
One watering place left or right
- › **Optimat E-2**
With two feeding spots
Two watering places VA 1.4301



E-1



E-2 in front of a partition wall

Optimat E-1

Breadth	35 cm
Depth	36 cm
Height	94 cm

Optimat E-2

Breadth	60 cm
Depth	36 cm
Height	94 cm



Openhouse

- › You can use all Optimats with water circulation in openhouses.



Split

for free running gilt and sow, respectively boar

Flexible system proven a 100,000 times for modernisation as well as new buildings, for different trough lengths and numbers of animal per day.

- › For longitudinal and cross troughs.
- › For partly or completely slatted floors.
- › Same-time feeding and drinking for all animals.
- › For rationed feeding during rearing of maidens.



for free running gilt and sow, respectively boar



Split with manual balance

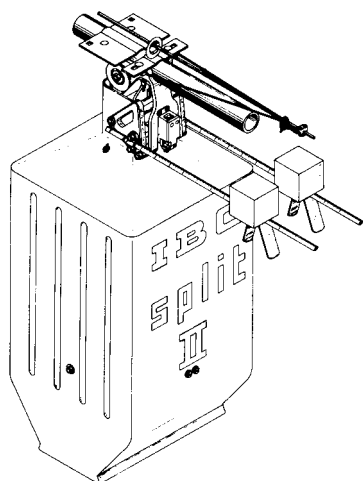
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- › Simultaneous feeding of all animals helps to avoid feeding stress.
- › As weight dosimeter or computer controlled system.
- › All pig houses can be automated completely.



Split with valve

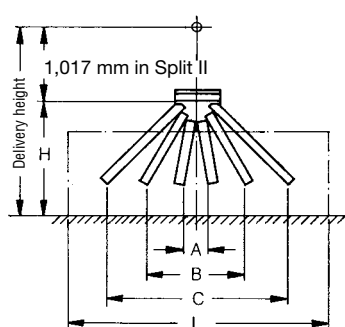
Triggering and assembly for Split and dosing unit



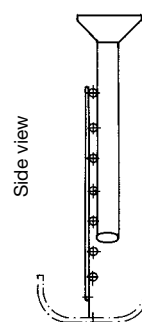
Triggering with crank arm ...

- To trigger individual dosimeters, groups or partitions.
- Automatic or manual triggering.
- With large deflection pulleys.
- Mounting material made of VA 1.4301.

Determination of the mounting height relative to the trough length

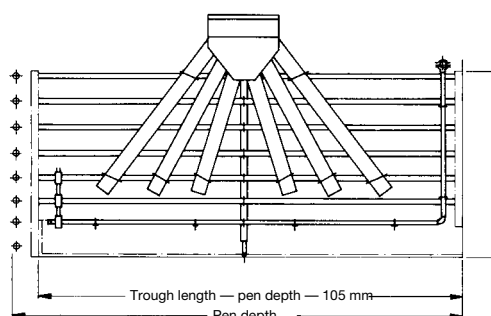


Length of the split wall L	H	Space			Delivery height split II
		A	B	C	
4750	1900	630	1920	3250	2917
4500	1800	580	1800	3050	2817
4250	1700	530	1680	2860	2717
4000	1600	480	1550	2650	2617
3750	1500	440	1420	2450	2517
3500	1400	390	1300	2260	2417
3250	1300	350	1170	2050	2317
3000	1300	340	1100	1870	2317
2750	1300	310	1000	1720	2317
2500	1300	280	920	1580	2317
2250	1300	260	830	1420	2317
2000	1300	230	740	1260	2317



Split II: Ceiling height — delivery height plus 100 mm

The position of the distributor pipes can be adapted to the respective trough length so that an even distribution of feed rations in the trough is ensured.



... with hand lever.



Deflection pulley with strap

Mounting and fastening material

There are several options for fastening our feed and pig housing systems. A selection of the most common fastening methods is shown on this page.



Support for two conveying lines.



Attachment on pig house.



Wall-bracket assembly.



Attachment of two HS conveying lines.



Attachment of the trough feeding pipe to the pig house.



Attachment of three HS conveying lines.



Profiled rail and floor attachment bracket for IBO pig house.

Dosing units and filling pipe



KS-dosimeter with galvanised or V2A trough feeding pipe



KS-dosimeter in a stable



Dosing unit for pellets



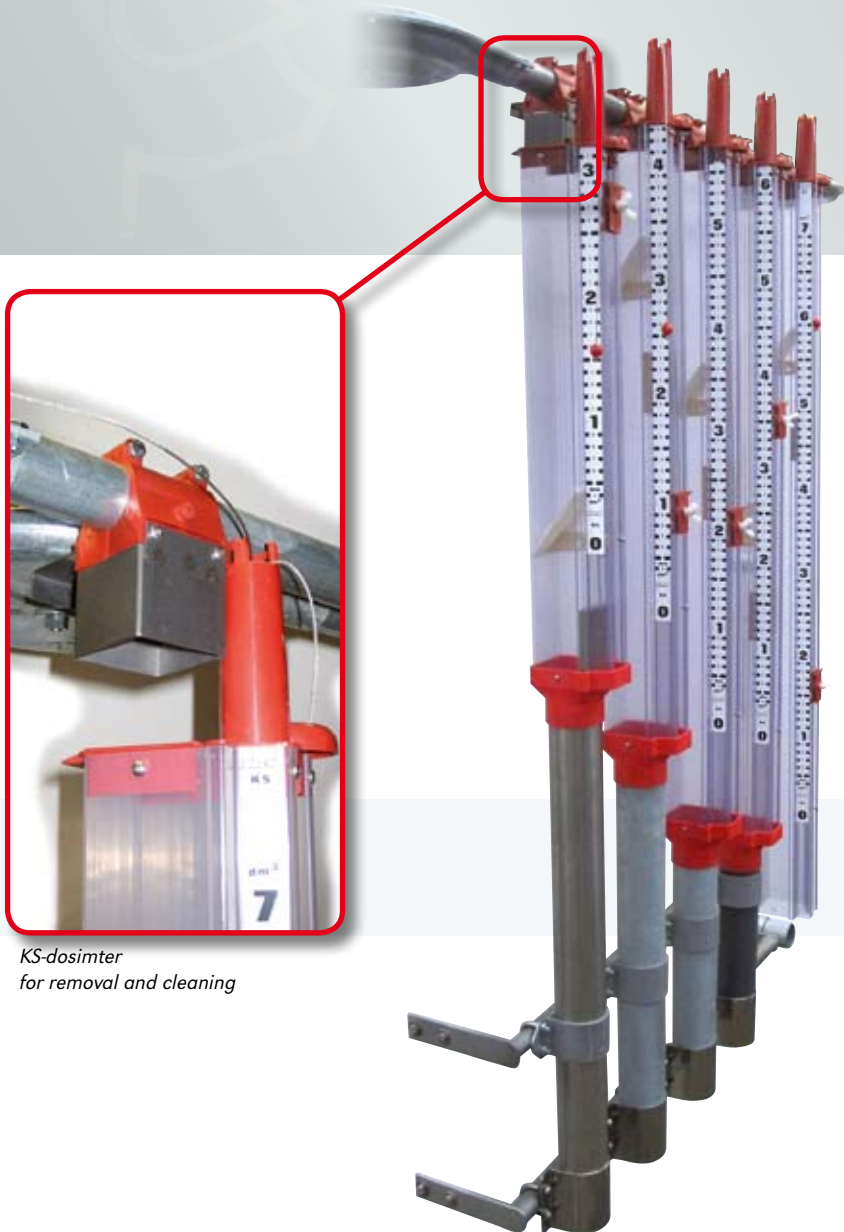
KS-dosimeter for two types of feed



KS-dosimeter in a farrowing house



KS-dosimeter triggered by hand



*KS-dosimeter
for removal and cleaning*



KS-dosimeter up to four types of feed



Pneumatic triggering for KS-dosimeter



*Filling-down pipe on HS Conveying line
with adjusting screw.*

CCM filling pipe



control mode for KS-dosimeter up to four types of feed

IBO Profit-MK 2000+

for CCM, powder and pellets

- › Multi-phase feeding with weighing mixer (less space required in the feed preparing department).
- › Consumption-controlled feeding by twenty programmable feed cycles.
- › Up to fifteen component silos.
- › After-running feed dispenser for highly accurate dosing.
- › Up to two hundred valves.
- › Rationed or on-request feeding.
- › Monitoring of the fill levels by means of sensors on the automatic dosimeters.
- › Connection of water valves, light, alarm is possible.
- › Saving of all consumption data.
- › Evaluation of the fattening data (feed conversion, daily fattening, contribution margin, et cetera).
- › Pre-setting of feeding times.



Computer feeding with five components



Computer feeding with feed transport system



control mode with pneumatic valve control unit



Computer feeding with double feed transport system



IBO Split dosimeter with pneumatic valve



screen and keyboard



pneumatic valve control unit



Optimat with sensor query



Pneumatic valve without hopper for cleaning



Pneumatic valve with hopper and filling pipe

CCM unit

- › for CCM and humid grain
- › CCM mixer with weighing equipment
- › Made of V2A



CCM dosage device from 2.300 to 6.500 litres



CCM dosage device with 100 mm conveyor screw



CCM mixer from 1.500 to 5.000 litres



control mode



Dry feed fine dosimeter

Dry feed fine dosimeter made of stainless steel, complete with electronic feed flow monitoring and control unit. Suitable for #38 and #60 dry feed feeding systems as well as #75 spiral conveying systems. For fine dosing of feed additives, minerals, vitamin preparations.

Fine dosing unit completely made of V2A with control.



Feed flow monitoring unit.

- › Storage volume approx. 21 litres.
- › Height including retaining plate: 56 cm.
- › Total length: 30 cm.
- › Width: 30 cm.
- › Continuous control of the dosed volume.
- › Monitoring of the remaining feed by sensors in the feeding line.
- › Speed control by voltage measurement.
- › Linear speed increase for linear feed output.

Medikator



Medikator for mixing drugs.

- › One Medikator changeable for different pipes
- › Storage volume approx. 5 litres.
- › Height including inlet connection: 36 cm.
- › Diameter: 16 cm.
- › Continuous control of the dosed volume.
- › Monitoring of the remaining feed by sensor in the feeding line.
- › Speed control by voltage measurement.
- › Linear speed increase for linear feed output.

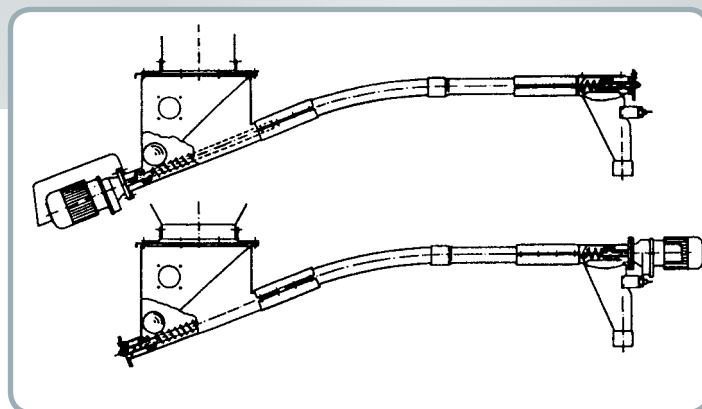


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75 and 90 S/Z spiral conveyor

The ideal solution for conveying problems, such as:

- › Upward incline.
- › Differences in height.
- › Curves.
- › Long distances (max. 70 m).



Flexible set-up for pushing or pulling.



Spiral on the outdoor silo.



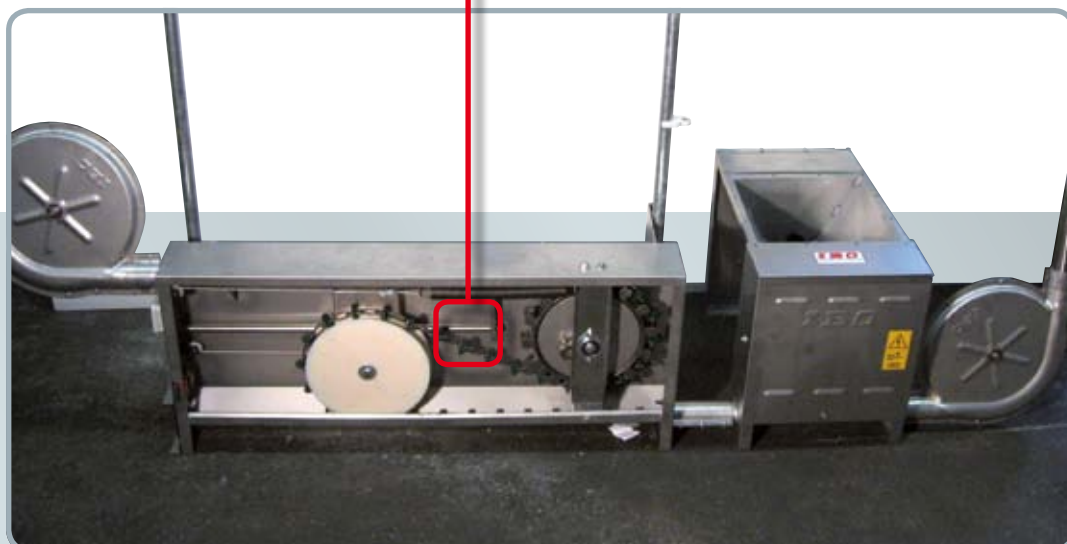
Spiral on sack silo.

HS-60 feed transport system with chain

- › for powder and pellets
- › short distances



chain connector



HS-60 feed transport system with hopper

Partitions & posts 40 mm



KS-profile with tongue and groove



Partitions posts for fixed wall



Door lock with one-hand operation



Door passage ventilation



Universal post

Partitions & posts 35 mm



Door with 2 x 50 cm KS profile / Door lock with one-hand operation



KS-profile 75f cm high with support post and profile rail

Piglet house



piglet house with Optimat RF and feshpapoptimat

Farrowing pens



farrowing pen with open door



VA-protection for KS-dosimeter



farrowing pen diagonal



farrowing pen, straight version with V2A trough

Box-type stands for sows



Box-type stand



Arris floor in the rear area



Side wall, especially for scanner



Box-type stand with PD-door



With raised V2A trough and door in passage for boar

Silos Polyester- and Sacksilos



Sack silo with spiral



Spiral for feed mixing carriage



Silo with manhole



Four silos with 90 S/Z spiral

Hopper



60 Hopper



60 double hopper



38 double hopper



Dealer



Subject to technical modifications; illustrations similar.

DB | IboGB-11.10

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